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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/232,566 01/15/99 JANSEN R

LM01/0802

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EXAMINER

VO, T

ART UNIT

PAPER NUMBER

2713

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DATE MAILED:

08/02/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/232,566

Applicant(s)
Jansen

Examiner
Tung Vo

Group Art Unit
2713



☐ Responsive to communication(s) filed on _____.

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire three month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1 and 2 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1 and 2 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit:

DETAILED ACTION

Claim Objections

1. Claim 2 is objected to because of the following informalities: Claim 2, line 1, "enclosure for " should be changed to "assembly of". Appropriate correction is required.

Claim Rejections - 35 U.S.C. § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yang (US 5,615,023) in view of King (US 5,971,468).

Re claims 1 and 2, Yang disclose a camera system (230 of fig. 11) having pin-holed lens (106, 107 of fig. 6), wherein means for mounting the camera which is a lower section of the back of the truck (203 of fig. 11) to equipped the camera (230). Yang further discloses the lens of the CCD camera needs to be protected from the foreign substance (col. 8, lines 1-4) and a operable lid (231 of fig. 11) to cover the CCD camera (230) to prevent the camera from being effect by dust.

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It is noted that Yang discloses the camera is mounted in the lower section of the back of the truck but Yang fails to particularly disclose the camera is mounted on the reverse side of the license plate to the vehicle. However, the camera would be placed anywhere of the back of the vehicle so the camera would achieve the same purpose of taking the image in the back. Therefore, it would have been obvious to one of ordinary skill in the art to place the CCD camera (230) of Yang in the reverse side of the license plate so that the camera would see through a predetermined-sized hole put in the license plate.

Yang discloses the camera is equipped in the lower section of the back of the truck having the lid (231) to prevent the camera from being affected by dust; however, Yang fails to particularly disclose a pane of transparent material to cover and weather-proof the pin hole lens which is protected from moisture, dirt, heat, cold, and scratches. One skilled in the art would obvious make the lid of transparent material to cover and weather-proof the pin hole lens which is protected from moisture, dirt, heat, cold, and scratches as the design choice. Yang further discloses a head-up display (70 of fig. 3) to inform the driver of the automobile conditions, wherein the display (70) is mounted to the windshield inside the truck (203) to display the images picked up by the camera of the back of the truck. This suggests the display (70) is used as a rear-view mirror to see the view when the unaided view is obstructed.

It is noted that Yang discloses the display (70) mounted in the sun shade inside the truck but Yang fails to particularly disclose the display is mounted on a sun visor. However, the display is mounted on the sun visor as taught by King (24, 26 of figs. 1-3). Taking the teachings

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of King and Yang together as a whole, it would have been obvious to enclose the display mounted on the sun visor of King within the truck of Yang to prevent possible accidents particularly when backing up the truck.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

O'Brien et al. (US 5,874,989) discloses a bus door observation system.

Contact Information

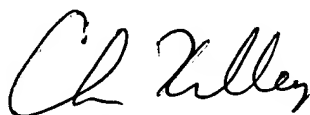
5. "Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Tung Vo whose telephone number is (703) 308-5874 and email is "Vo,Tung@uspto.gov". The examiner can normally be reached on Monday to Friday from 7:00 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris. Kelley, can be reached on (703) 305-4856. The fax number for submitting formal communications is (703) 308-6396 or 6296.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700."

^{TV}
T. Vo

July 27, 2000


CHRIS S. KELLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2700